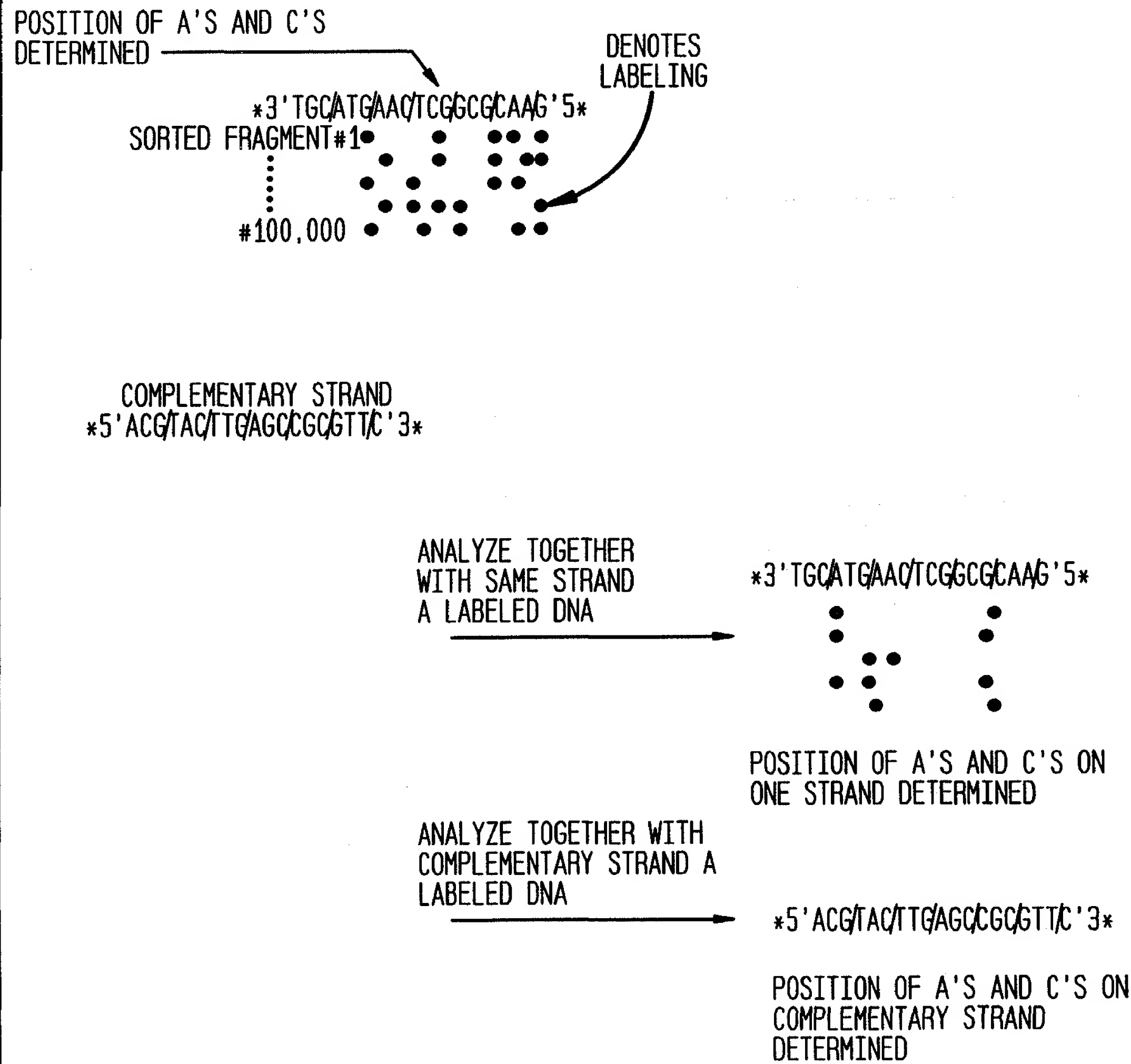


FIG. 1



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FIG. 2

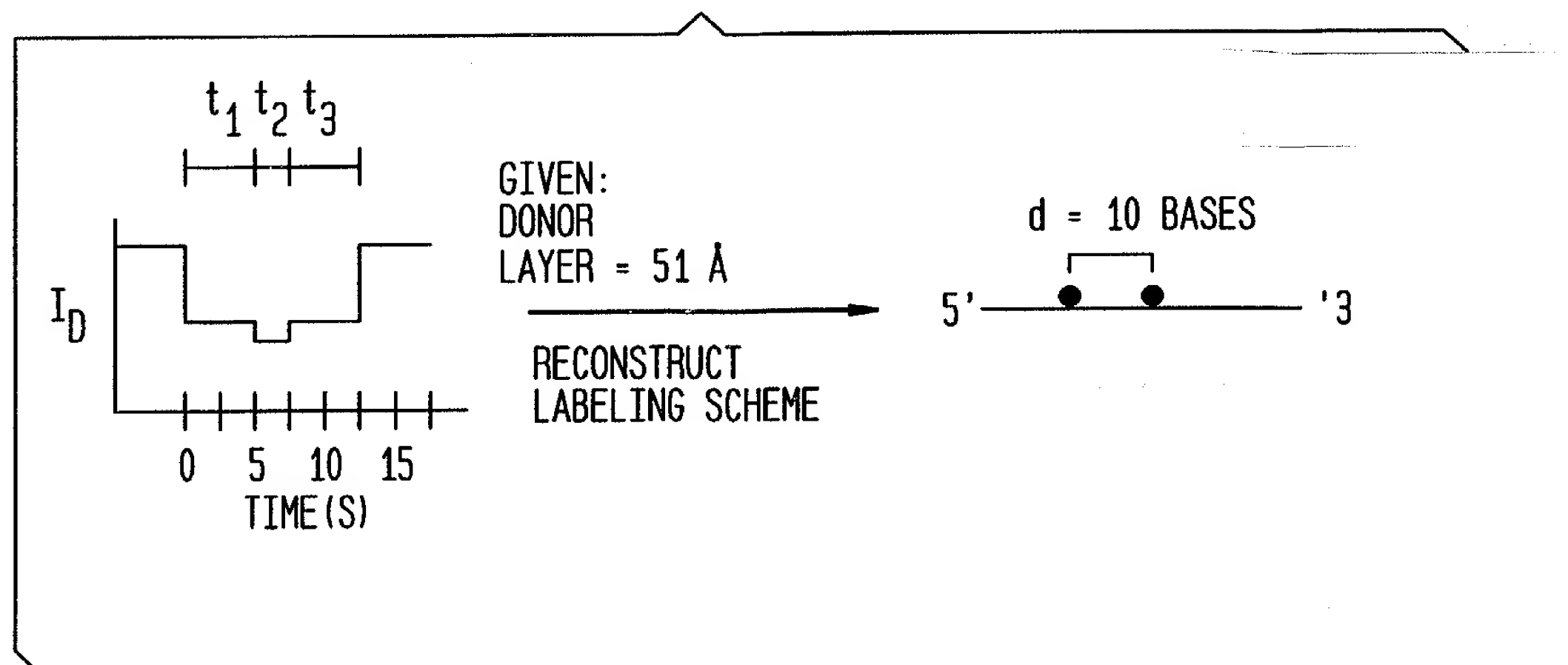
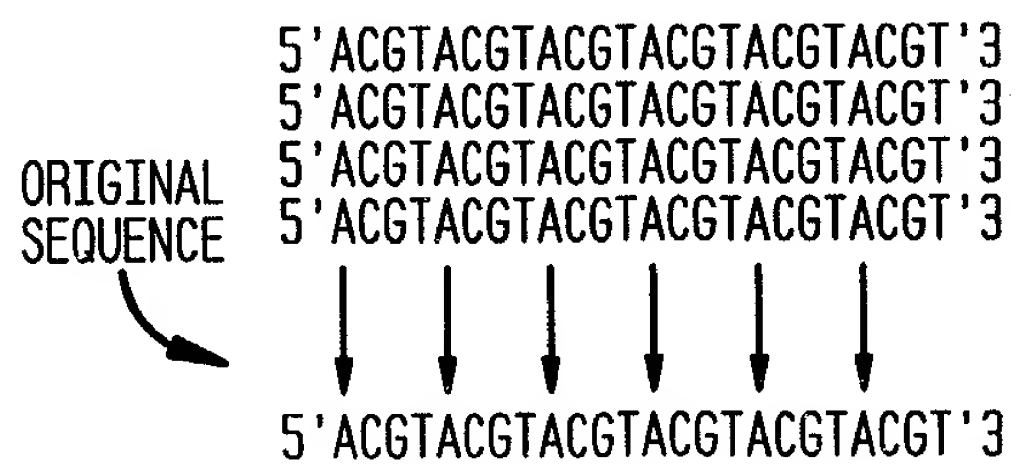


FIG. 3



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FIG. 4

TARGET SEQUENCE, 5'ACGT'3

CONCLUSIONS

SET AC 5'ACGT'3

AG 5'ACGT'3

AT 5'ACGT'3

CG 5'ACGT'3

CT 5'ACGT'3

GT 5'ACGT'3

TARGET IS A 4-MER  
SEQUENCE IS A(C,G,T), ORDER  
OF BASES FOLLOWING A UNKNOWN

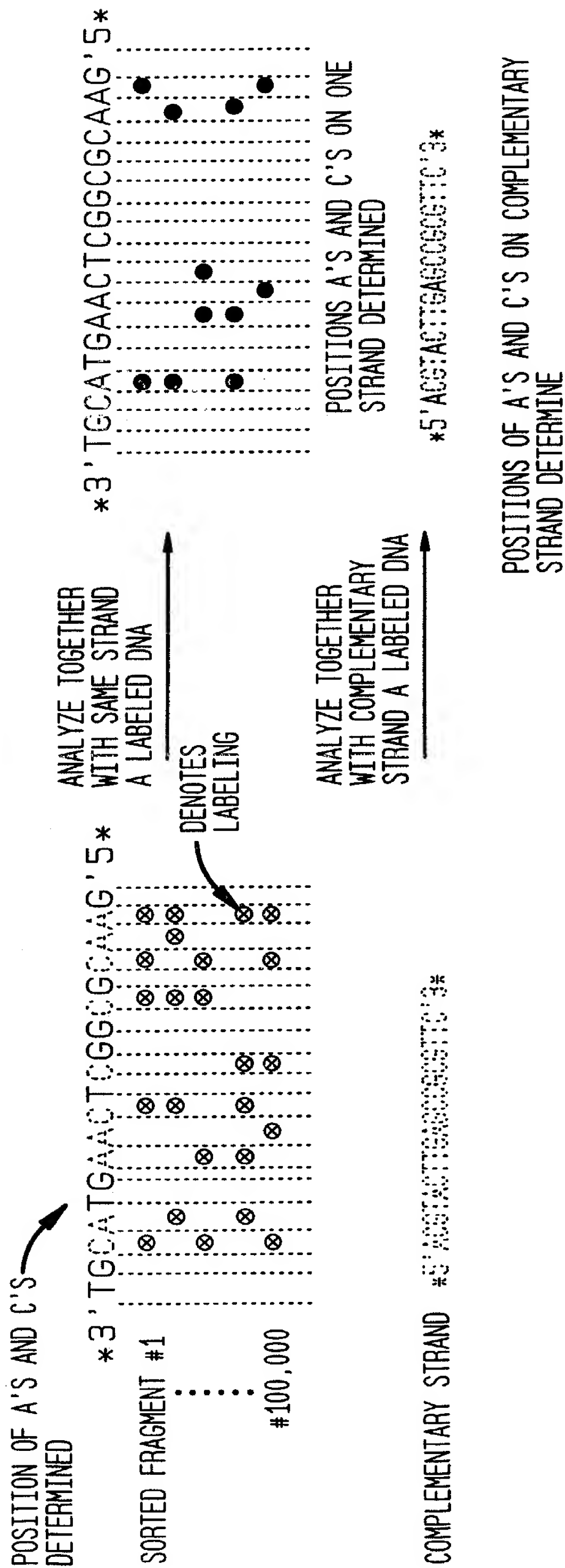
G AND T FOLLOW C,  
SEQUENCE IS AC(G,T)

T FOLLOWS G,  
SEQUENCE IS ACGT

TWO BASE LABELING AND ANALYSIS

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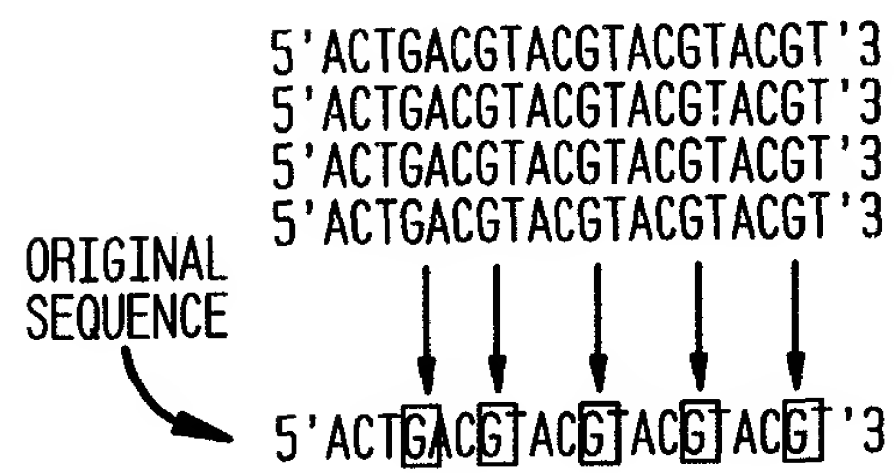
FIG. 5



CONCLUSION: SEQUENCE DETERMINED

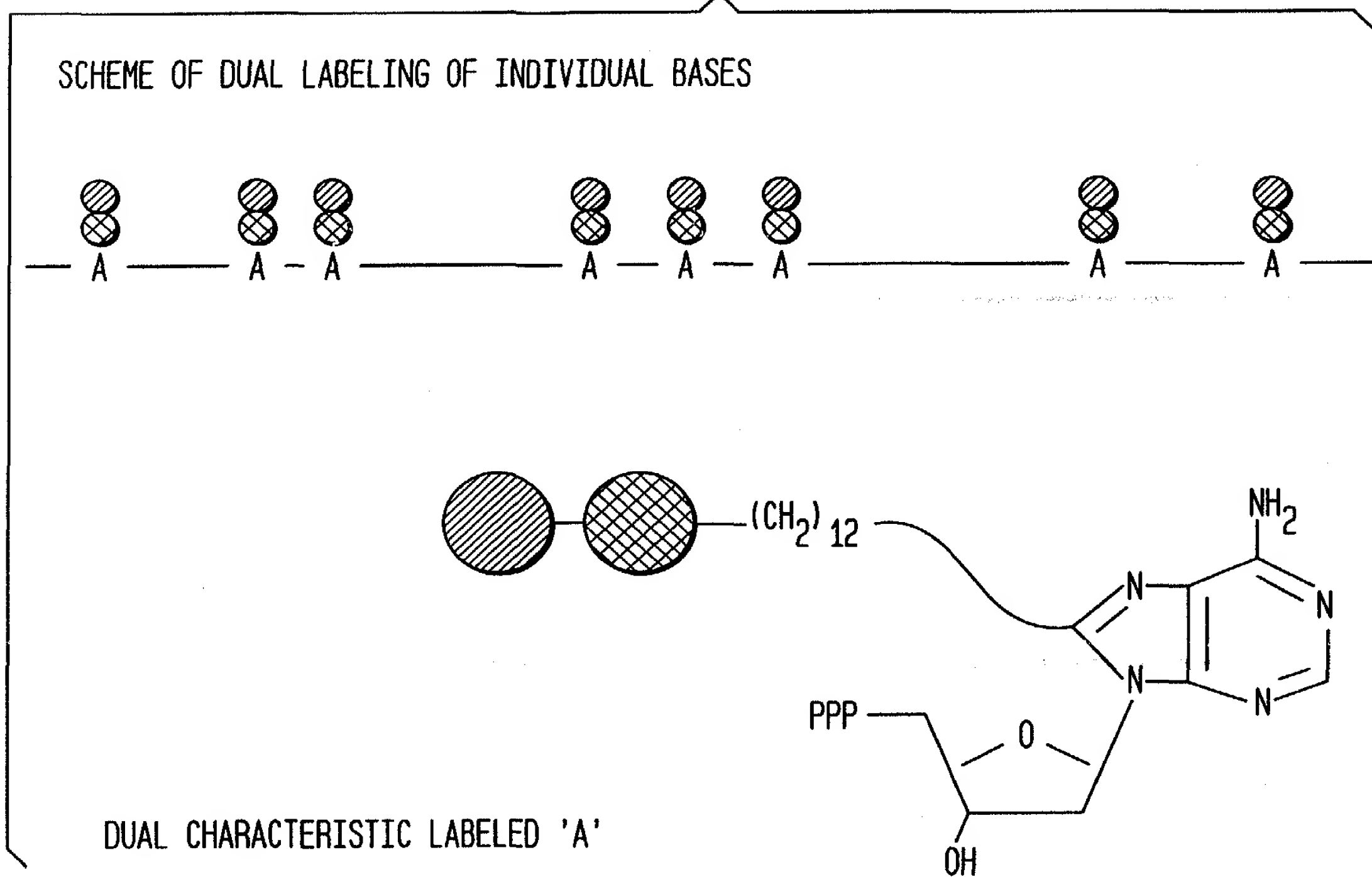
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**FIG. 6**



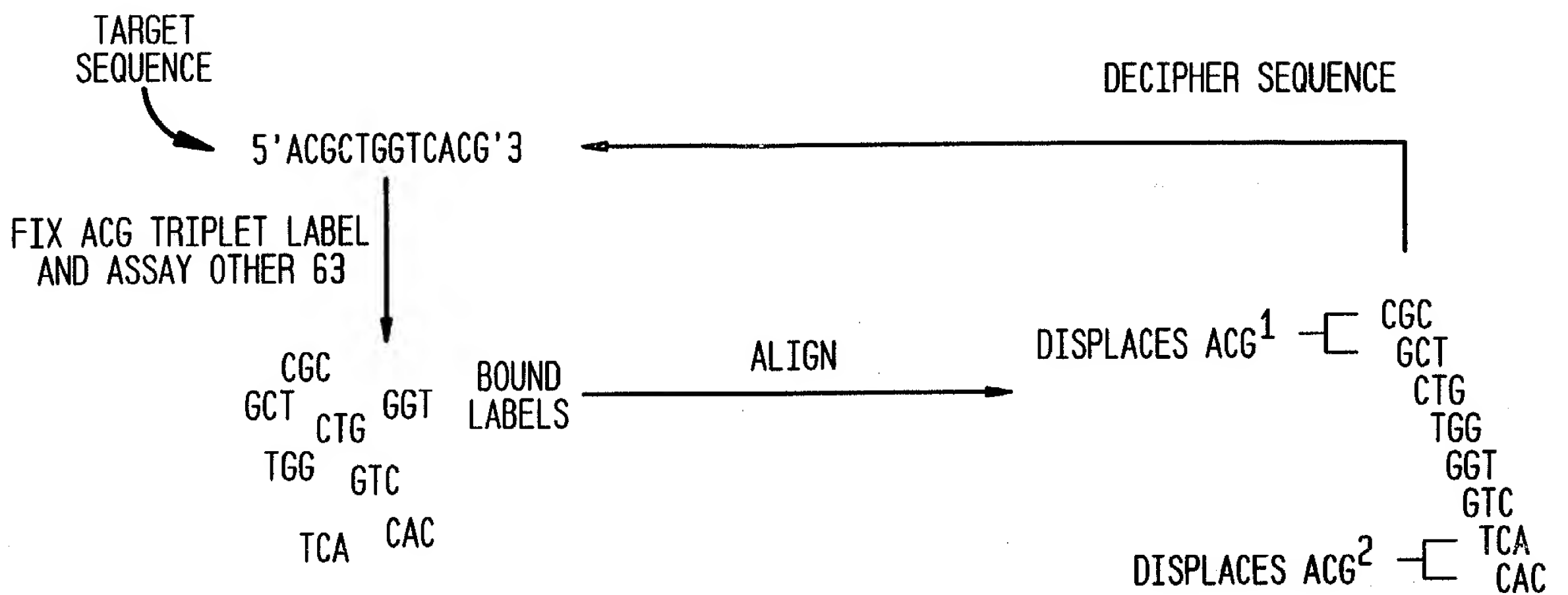
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FIG. 7



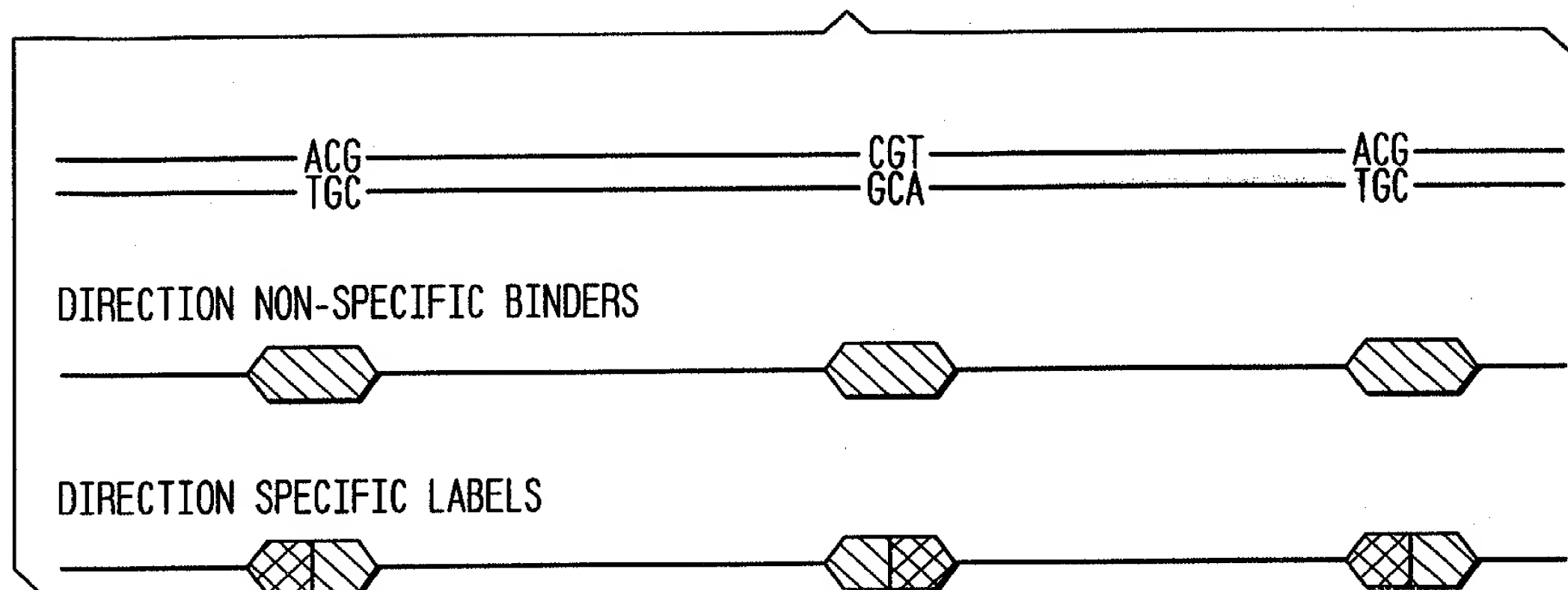
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FIG. 8



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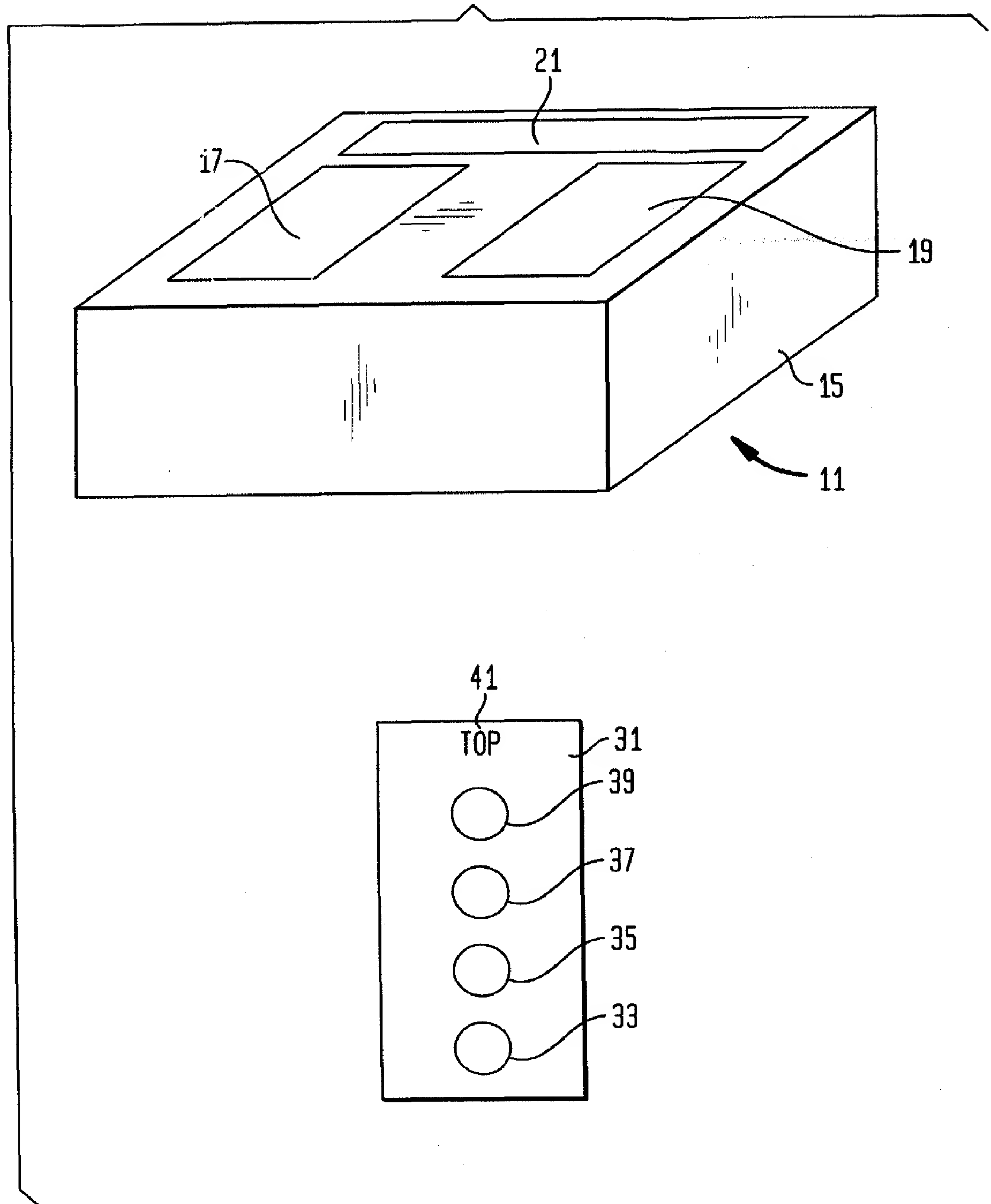
FIG. 9





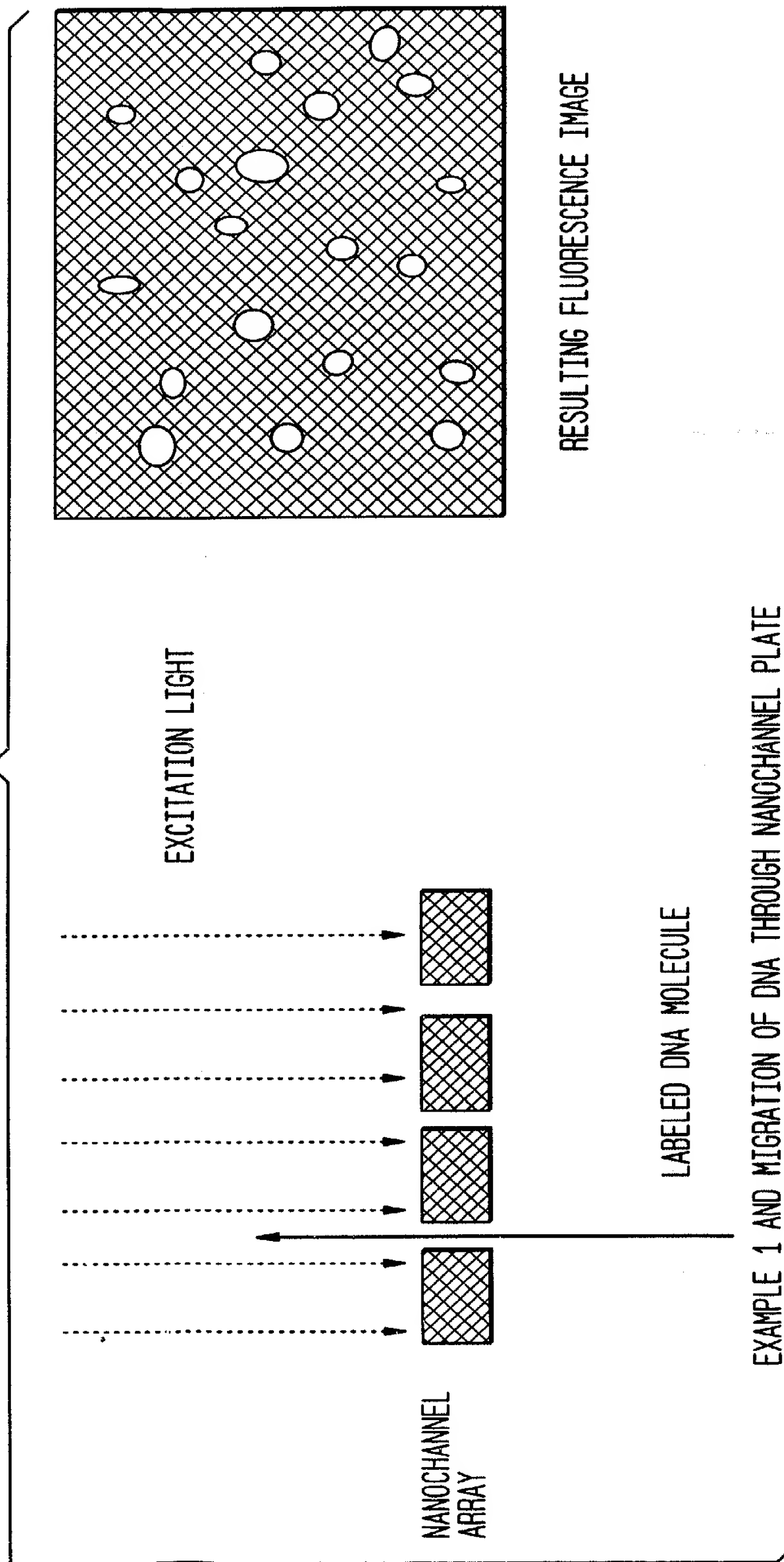
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FIG. 10



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FIG. 11

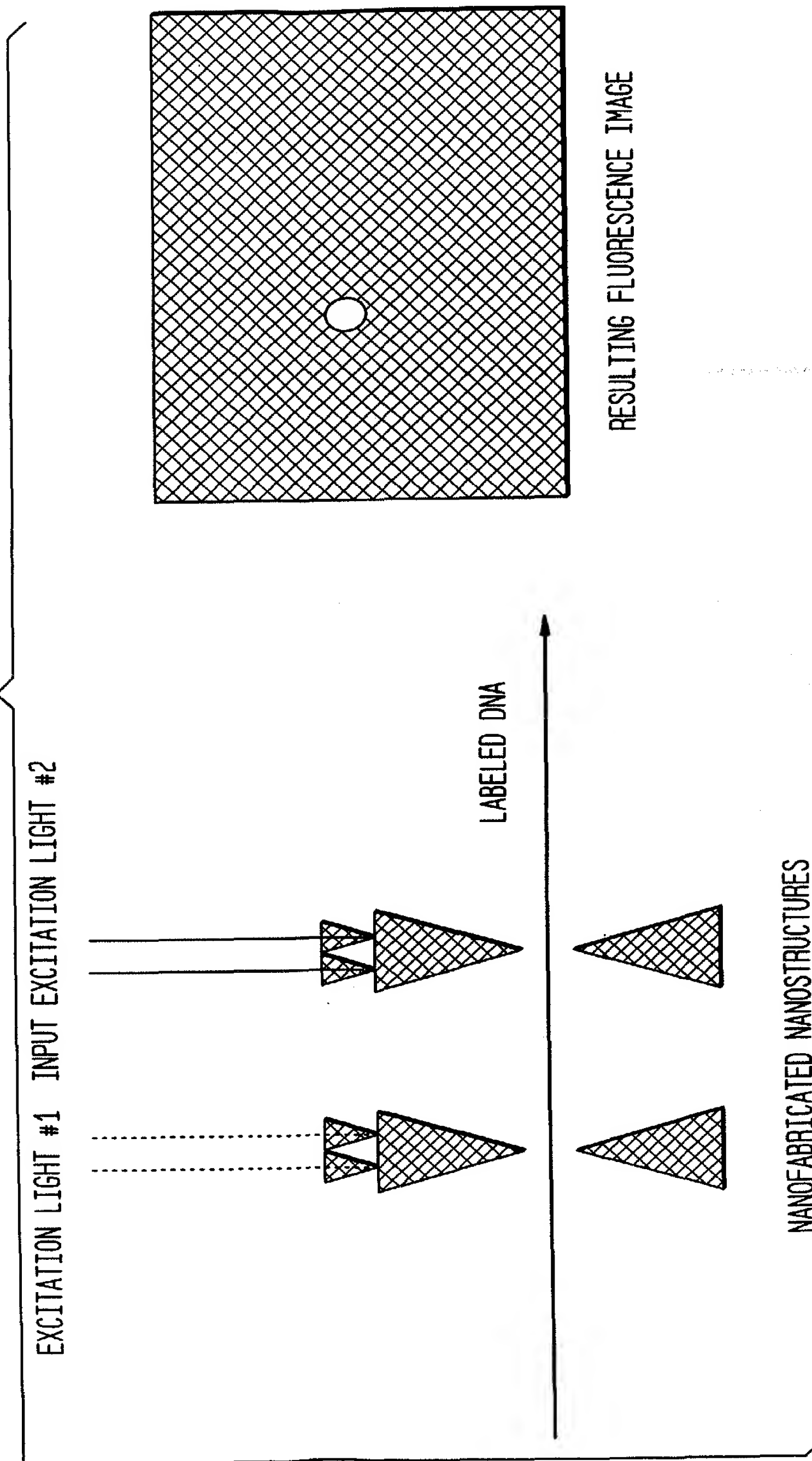


EXAMPLE 1 AND MIGRATION OF DNA THROUGH NANOCHANNEL PLATE

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FIG. 12



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**FIG. 13**

